

We Claim:

1. A shell fuse, comprising:

a target acquisition sensor;

a firing train including a firing device carrier movably disposed from a safe position into an armed position;

a force element disposed to be initiated by said target acquisition sensor and coupled to said firing device carrier for moving said firing device carrier into the armed position.

2. The shell fuse according to claim 1, wherein said target acquisition sensor is an impact sensor.

3. The shell fuse according to claim 1, wherein said force element is coupled to a firing pin of said firing train such that said firing pin is blocked in the safe position and released in the armed position.

4. The shell fuse according to claim 1, which comprises a linearly movable pin coupling said force element to said firing device carrier.

5. The shell fuse according to claim 4, which comprises a safety pin coupling said force element to said firing pin, said safety pin bearing against said linearly movable pin.

6. The shell fuse according to claim 1, which comprises an electronic system connected to said sensor and said force element, wherein, upon target acquisition, said sensor passes a signal to said electronic system, and said electronic system initiates said force element.

7. The shell fuse according to claim 1, wherein said force element is a pyrotechnic force element with a piston bearing against a linearly movable pin coupling said force element said firing device carrier.

8. The shell fuse according to claim 4, wherein said linearly movable pin is displaceably supported parallel to said firing pin and said safety pin is transversely displaceable with respect to said linearly movable pin.

9. The shell fuse according to claim 5, wherein said linearly movable pin is formed with a recess for receiving said safety pin in the armed position.

10. The shell fuse according to claim 4, wherein said firing pin is formed with a bevel and said bevel is braced against said safety pin in the safe position.

11. The shell fuse according to claim 1, wherein said firing device carrier is a rotor formed with a radial nose, and said linearly movable pin is disposed to act upon said rotor via said nose.